

INTERNATIONAL SEARCH REPORT

International application No
PCT/IL 03/06036

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04B17/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04B H04L H03G H03H H03F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01 47154 A (KONINKL PHILIPS ELECTRONICS NV) 28 June 2001 (2001-06-28)	1-6
Y	abstract page 2, line 22 -page 3, line 11 page 4, line 17 - line 21 page 5, line 3 - line 19 figures 3,6	7
A	US 6 417 737 B1 (ROFOUGARAN MARYAM ET AL) 9 July 2002 (2002-07-09)	1-6
Y	figures 14,40 column 19, line 19 - line 22 column 20, line 52 -column 22, line 4 column 42, line 32 - line 45	7
	--- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

12 March 2004

Date of mailing of the international search report

19/03/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Lustrini, D

INTERNATIONAL SEARCH REPORT

Internatio Application No
PCT/ID 3/06036

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 680 553 A (YAMASAKI KOJI ET AL) 14 July 1987 (1987-07-14) figures 3,4,7 column 1, line 44 -column 2, line 26 column 4, line 4 - line 7 column 4, line 37 - line 48 column 4, line 65 -column 5, line 4 column 5, line 13 - line 20 column 5, line 37 - line 66 -----	1-7
A	EP 0 331 234 A (PHILIPS NV) 6 September 1989 (1989-09-06) cited in the application figure 2 column 6, line 4 - line 37 -----	1-7

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Publication No
PCT/IB 03/06036

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0147154	A	28-06-2001	CN 1341302 T WO 0147154 A1 EP 1157489 A1 JP 2003518814 T TW 512599 B	20-03-2002 28-06-2001 28-11-2001 10-06-2003 01-12-2002
US 6417737	B1	09-07-2002	US 2003042984 A1 US 2003067359 A1 US 6404293 B1 AU 1226401 A EP 1224735 A1 WO 0128310 A2	06-03-2003 10-04-2003 11-06-2002 30-04-2001 24-07-2002 26-04-2001
US 4680553	A	14-07-1987	JP 1766731 C JP 4051084 B JP 61166207 A JP 1829097 C JP 5033564 B JP 61212906 A JP 1796602 C JP 5001645 B JP 61234109 A JP 1772749 C JP 4064213 B JP 62014528 A JP 1772751 C JP 4064212 B JP 62020427 A JP 1958026 C JP 6091375 B JP 62105505 A JP 1948049 C JP 6081005 B JP 62105511 A	11-06-1993 18-08-1992 26-07-1986 15-03-1994 19-05-1993 20-09-1986 28-10-1993 08-01-1993 18-10-1986 14-07-1993 14-10-1992 23-01-1987 14-07-1993 14-10-1992 29-01-1987 10-08-1995 14-11-1994 16-05-1987 10-07-1995 12-10-1994 16-05-1987
EP 0331234	A	06-09-1989	NL 8800510 A AU 3077789 A BR 8900893 A CA 1297951 C CN 1035594 A , B DE 68906567 D1 DE 68906567 T2 DE 68912363 D1 DE 68912363 T2 EP 0331234 A1 EP 0331246 A1 ES 2041393 T3 HK 141794 A JP 1261008 A JP 2021808 C JP 7056925 B JP 1253307 A JP 2002214 C JP 7038554 B KR 9707753 B1 SG 147294 G US 4972512 A US 5049829 A	18-09-1989 31-08-1989 24-10-1989 24-03-1992 13-09-1989 24-06-1993 02-12-1993 03-03-1994 28-07-1994 06-09-1989 06-09-1989 16-11-1993 23-12-1994 18-10-1989 26-02-1996 14-06-1995 09-10-1989 20-12-1995 26-04-1995 16-05-1997 16-06-1995 20-11-1990 17-09-1991